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[022] In presently preferred embodiments of the above described gantry transmission, the toothings of the spur gears of the gantry transmission is preferably designed as a helical toothings, the toothings of the first and of the second intermediate spur gears being designed so that the axial forces of the first and of the second intermediate spur gears become almost neutralized. In particular, the helical toothings of the spur gears is cut at a sloping angle whereby the helical cut teeth of the first and of the second intermediate spur gears (3, 4) are designed so that the axial forces of the first and of the second intermediate spur gears (3, 4) are substantially neutralized